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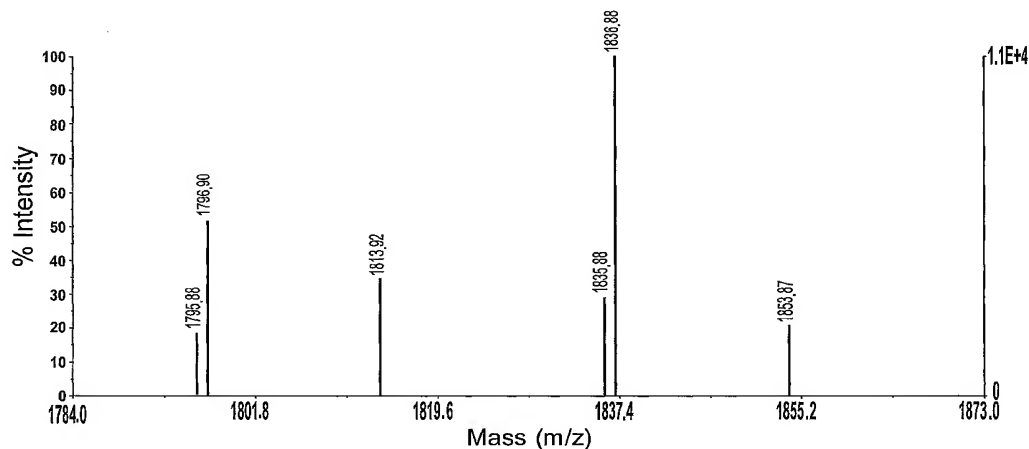
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(54) Title: MASS SPECTROMETRY OF ARGININE-CONTAINING PEPTIDES



(57) Abstract: Peptides can be derivatised such that, when ionised and analysed by mass spectrometry, those containing arginine residues give characteristic peak patterns. Peaks corresponding to arginine-containing peptides can therefore be selected from a mass spectrum in order to simplify and improve peptide analysis. Suitable labels give derivatised peptides that have the ability to form both a stabilised ion species ([P]⁺) and a protonated ion molecular species ([P+H]⁺) that differ by one average mass unit. A characteristic peak pattern is seen.

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